

# **MIRCal**

## **Edit Flag Description Guide**

### **EMERGENCY DEPARTMENT and AMBULATORY SURGERY DATA**

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Medical Information Reporting for California

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## SUMMARY OF CHANGES

### PAGE 5

- ✓ Added: Trend Edit Program information to MIRCAL EDIT PROGRAMS AT-A-GLANCE.

### PAGE 7

- ✓ Deleted: Transmittal Edit for Incorrect file format – No Carriage Control at byte 52. This edit is now included in Transmittal Edit Reference No. 6006

### PAGE 8 and 9

- ✓ **NEW:** Trend Edit Program

Effective with the January 1, 2006 through March 31, 2006 Report Period, OSHPD is adding four (4) Trend Edits to the validation process of ED and AS data. The Trend Edits will compare data submitted for the Jan-Mar 2006 Report Period to data submitted for the July-Sept 2005 and Oct-Dec 2005 report periods (historical data).

Please refer to Pages 8 and 9 for detailed information on the Trend Edit Program and the Trend Edit Flags and their descriptions.

### PAGE 12 and 13

- ✓ **NEW:** Four (4) Critical Standard Edit Flags that pertain to the Disposition of Patient and Expected Source of Payment data elements:

**S124 New Patient Disposition Code reported BEFORE the Beginning Effective Date**

**S125 Old Patient Disposition Code reported AFTER the Ending Effective Date**

**S126 New Expected Source of Payment Code reported BEFORE the Beginning Effective Date**

**S127 Old Expected Source of Payment Code reported AFTER the Ending Effective Date**

### PAGE 14

- ✓ **NEW:** A new Warning (Non-critical) Standard Edit Flag for Missing Cause of Injury E-Code has been added to the list of Warning (Non-Critical) Standard Edit flags and descriptions:

**SW25: Missing Principal E-Code. The cause of injury E-Code is required for the reported Principal Diagnosis.**

<sup>1</sup>**NOTE:** If your facility is the first episode of care\* for this injury, poisoning, or adverse effect being treated or diagnosed, then the Principal E-Code must be reported on the record. If your facility is not the first episode of care\*, then do not report the E-Code.

\* First episode of care includes ED or AS encounter, or hospital admission (discharge record). It does not include doctor's office.

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<sup>1</sup> Revised 4/14/06. The note included in the March 2006 ED/AS Edit Flag Description Guide (Version 3.0) needed clarification.

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# I INTRODUCTION

Effective with the Jan-March 2006 report period, Emergency Department and Ambulatory Surgery encounter data will be processed through three MIRCal edit programs in the following order:

- Transmittal Validation
- Standard Edit Program
- (New!)** Trend Edit Program

These edit programs have been developed to promote reliable, accurate, and quality data. This guide provides detailed information about each edit program, the applicable Error Tolerance Levels, and a list of the edit flags and their descriptions.

**IMPORTANT:** Refer to Page 8 for detailed information on the new Trend Edit Program.

## II MIRCAL EDIT PROGRAMS AT-A-GLANCE

### UNDERSTANDING THE MIRCAL EDIT PROGRAMS

Your data will be rejected if it fails the Transmittal Validation, Trend Edit Validation or Standard Edit Validation programs. "Fail" means your data is not at or below the established Error Tolerance Level (ETL).

Understanding these edit programs and the reasons your data might fail is very important when determining the best way to correct errors. You may also want to refer to the "Transmittal Errors Trouble-shooting Guide for IP-ED-AS Date", rev Feb 3 2006.pdf

**If your data fails the Transmittal Validation, it will be rejected and will not be processed through the Trend and Standard Edit Validation programs.**

Program	Description	Likely Cause of Failure
Transmittal Validation	Checks for proper file format and compares the "Expected" (based on the Transmittal Page information) to "Actual" data submitted. <ul style="list-style-type: none"><li>• Virus infected file</li><li>• No data in file</li><li>• Multiple files in a Zip file</li><li>• Incorrect file format</li><li>• Discrepancy in the number of records submitted. There is a difference of more than twenty (20) records.</li><li>• More than ten (10) Records with a Service Date outside the report period</li><li>• Incorrect Facility ID Number on one or more records</li><li>• MIRCal Database capacity error</li></ul>	Your data did not pass one or more of the transmittal validations
Trend Edit (T flag)	<b>Effective with the Jan 1 2006 – Mar 31 2006 Report Period:</b> This edit program compares the data in the current report period to the facility's historical data to identify uncharacteristic increases or decreases in percentages reported for certain data elements/categories.	Your data caused the program to generate one or more Critical Trend flags
Standard Edit (S flag)	Checks for data entry errors and inconsistencies of data reported within each record.  <u>EXAMPLE:</u> Service Date is Out of Range for the Report Period	More than 2% of your records contain standard edit errors

### III TRANSMITTAL VALIDATION

#### OVERVIEW

Transmittal Validation consists of three (3) levels of validation: The first level checks files for viruses and for empty, incomplete or multiple files. The second level checks for proper file format. The third level checks for discrepancies in the number of records submitted, invalid service dates, incorrect facility ID numbers, and MIRCal Database capacity errors.

**Data must pass all three levels of validation before continuing on to the Standard Edit Program.**

#### How do I know if my data failed Transmittal Validation?

Transmittal Validation Edits are identified by Error Messages. Access the "Main Error Summary for All Edit Programs" to see if your data passed or failed Transmittal Validation. This Summary displays either "Pass" or "Fail". If the data has failed Transmittal Validation, the applicable error message(s) will be displayed.

To access the Main Error Summary: click on "Main Error Summary" on the Main Menu.

#### **FIRST LEVEL OF TRANSMITTAL VALIDATION EDITS**

The first level checks for the following:

- Virus infected file
- Empty file (no data contained in the file)
- Multiple files in a Zip file

If the data fails any one of these transmittal edits, it will be rejected immediately and all further data editing is terminated.

Once data passes the first level of edits, it will continue on to the second level of Transmittal Validation.

#### **SECOND LEVEL OF TRANSMITTAL VALIDATION EDITS:**

The second level Identifies incorrect file format. If data fails any one of six (6) incorrect file format edits, it will be rejected immediately and all further editing is terminated.

Once data passes the second level, it will continue through the third level of Transmittal Validation.

#### **THIRD LEVEL OF TRANSMITTAL VALIDATION EDITS:**

The third level checks for the following:

- Discrepancy in Number of Records submitted
- "Invalid" Service Dates
- Incorrect Facility ID Number
- MIRCal Database capacity error

If the data fails one or more of these transmittal edits, it will be rejected and all further data editing is terminated.

Once data passes the third level, it will continue on to the Trend and Standard Edit Validation.

## TRANSMITTAL ERROR MESSAGES

For additional information on Transmittal Errors and how to correct them, please go to the MIRCal website at [www.oshpd.ca.gov/MIRCal/resources.htm](http://www.oshpd.ca.gov/MIRCal/resources.htm) and click on the link "FAQs on Transmittal Errors for IP/ED/AS Data, Rev 2/05".

Internal Ref. No.	Transmittal Edit	Error Message (Displayed on Main Error Summary)
<b>I. FIRST LEVEL OF EDITING</b>		
6001	Checks for Viruses	Virus infected file. Transmission of data was terminated.
6002	Does the file contain data? (Empty file)	No data contained in the file.
6012	Zip file contains multiple files.	Zip file contains multiple files.
<b>II. SECOND LEVEL OF EDITING</b>		
6007	Incorrect File Format	File contains non-ASCII character(s).
6011	Incorrect File Format	Record length is more than 382 bytes.
6003	Incorrect File Format	Record length is less than 382 bytes.
6006	Incorrect File Format	No Carriage Control <u>and/or</u> Line Feed at bytes 383 and 384, respectively.
6005	Incorrect File Format	No Line Feed at byte 384.
<b>III. THIRD LEVEL OF EDITING</b>		
6008	Discrepancy in the Total Number of Records submitted	Total number of records submitted does not match the number of records entered on the Transmittal screen. There is a difference of more than 20 records.  <b>NOTE:</b> The "Main Error Summary for all Edit Programs" displays the <u>difference</u> between the number of records actually submitted and the number of records entered in the box on the 'Transmittal for File Submission' or 'Transmittal for Web Entry Records' screen.
6009	Records with Service Dates outside the Report Period	More than ten (10) records are reported with a Service Date outside the Report Period.  <b>NOTE:</b> The "Main Error Summary for all Edit Programs" displays the number of records with an incorrect Service Date.
6010	Incorrect Facility ID Number	Incorrect Facility ID Number reported.  <b>NOTE:</b> The "Main Error Summary for all Edit Programs" displays the incorrect Facility ID and the number of records affected
6013	MIRCal database capacity error	MIRCal database capacity error. The number of records in the MIRCal database does not match the number of records submitted. Contact your OSHPD analyst immediately.

## IV TREND EDIT PROGRAM

### OVERVIEW

The Trend Edit Program is designed to check for inconsistencies in data by comparing data submitted in the current report period to data submitted in the last two (2) (historical) report periods. If the difference between the current data and the historical data is more than a specified percentage, then a T (critical) or TW (non-critical) flag is applied to that data element or data element category. The facility must review any critical T flags in the data and verify whether or not the data is correct as reported.

Effective with the January 1, 2006 through March 31, 2006 Report Period, OSHPD is adding four (4) Trend Edits to the validation process of ED and AS data. The Trend Edits will compare data submitted for the Jan-Mar 2006 Report Period to data submitted for the July-Sept 2005 and Oct-Dec 2005 report periods (historical data).

Please see next page for a list of the Trend Edit Flags and their descriptions.

**Data will fail the Trend Edit Program if one or more Critical Trend Flags (T) are identified in the data.**

The Trend Edit Program will not apply edits to a data element if:

- A data element in the current report period has a Modification, Non-Compliance or Variant Action.
- The current report period is less than 60 days. Conversely, an historical report period that is less than 60 days will not be used for trend analysis.
- There is no historical data for the facility (e.g., new facility)

### **How do I know if my data failed the Trend Edit Program?**

Check the "Main Error Summary for all Edit Programs" to see if your data passed or failed the Trend Edit Program. The Summary will display either "Pass" or "Fail" for this edit program. For "Fail" status, the Summary also displays the number of trend edit flags identified in the data.

To access this Summary: click on "Main Error Summary" on the Main Menu.

### DEFINITIONS AND REPORTS

#### **Critical Trend (T) Flag**

A "T" flag, followed by a 3-digit number, identifies a Critical Trend Edit Flag.

A T-flag will result when the current data fails the Trend Edit in both historical report periods or it fails the Trend Edit against the only available historical report period. The affected data element category will receive the applicable T-Flag.

#### **Trend Warning (TW) Flag (Non-Critical Error)**

A "TW" flag, followed by a 2-digit number, identifies a Warning (Non-Critical) Trend Edit Flag. A TW-flag will **not** cause the data to be rejected. A TW-flag will result when the current data fails the Trend Edit in one historical report period, and passes the Trend in the second historical report period. These flags are "warnings" that alert the facility to review possible errors in the data.



## DEFINITIONS AND REPORTS (continued)

### Trend Edit Summary Report

This report identifies the data element categories that have been flagged with a T or TW flag. This report includes the percentage or number of records reported in a data element for the Current Report Period; and the percentage or number in the historical report period(s) for the same data element.

To access this report: From the Main Menu, click on “Error Reports”, then under “Edit Programs-Trend Edits (T)”, click on “View” under “Summary Report”. You can print and/or save this PDF report.

## TREND EDIT FLAGS AND DESCRIPTIONS

Critical Flags are identified as a T flag

Warning (Non-Critical) flags are identified as a TW flag

<b>Critical Trend Edit Flag</b>	<b>Description</b>
T005	The total number of records submitted (for the current report period) <u>decreased</u> more than 20%, when compared to your facility's historical data.
T006	The total number of records submitted (for the current report period) <u>increased</u> more than 20%, when compared to your facility's historical data.

<b>Warning (Non-Critical) Trend Edit Flag</b>	<b>Description</b>
TW05	The total number of records submitted for the current report period <u>decreased</u> more than 20%, but data failed one historical report period and passed one historical report period.
TW06	The total number of records submitted (for the current report period) <u>increased</u> more than 20%, but data failed one historical report period and passed one historical report period.

## V STANDARD EDIT PROGRAM

### OVERVIEW

The Standard Edit Program edits the data reported within each record. There are two (2) types of Standard Edits: Field Edits and Relational Edits. Field edits identify data elements that are blank, incomplete, or invalid. Relational edits identify illogical relationships between two or more data elements within the same record.

**The Error Tolerance Level (ETL) for Standard Edits is 2% of records with one or more Critical Standard Edit flags, based on the total records reported. All edit flags in a record are counted as one (1) error.**

#### **How do I know if my data failed the Standard Edit Program?**

Check the "Main Error Summary for All Edit Programs" to see if your data passed or failed the Standard Edit Program. This Summary displays either "Pass" or "Fail" and the number and percentage of records with an "S" flag.

To access the Main Error Summary: click on "Main Error Summary" on the Main Menu.

### DEFINITIONS AND REPORTS

#### **Critical Standard (S) Edit Flag**

An "S" flag, followed by a 3-digit number, identifies a Critical Standard Edit Flag. Critical S-Flags are applied toward the ETL. If there are more than 2% of records with one or more Critical S-flags, then the data will FAIL the Standard Edit Validation.

#### **Standard Edit Warning (SW) Flag (Non-Critical Error)**

An "SW" flag, followed by a 2-digit number, identifies a Standard Edit Warning Flag. SW-flags will not cause the data to be rejected since they are not applied toward the ETL. These warning flags are provided to alert the facility to review possible errors in the data.

#### **Standard Edit Summary Report**

This report displays all data elements with Standard Edit flags. There are two (2) tables: one for data elements that have S-flags (critical) and one for data elements that have SW-flags (warning). In each table, the data elements are listed in alphabetical order and include the number, flag, and percentage of S flag(s) within each data element. Use this Report to make sure that all errors are located and reviewed or corrected within each record.

#### **Standard Edit Detail Report**

This report displays records that have one or more S or SW-flags. This report is sorted by Service Date, then by Abstract Record Number within each Service Date.

To access these reports: click on " Error Reports" on the Main Menu.

### **INVALID SOCIAL SECURITY NUMBER RANGES**

**SSNs with the following numbers are flagged as invalid (S002):**

- 7 or 8 identical numbers (except 000000001 – Unknown SSN)
- 9 identical numbers
- The first three (3) numbers are:
  - 000
  - 666
  - 734 through 749
  - 752 through 755
  - 760 through 763
  - 773 through 999
- The last 4 numbers are 0000
- Alpha characters
- 4th and 5th digits are 00

## CRITICAL STANDARD EDIT FLAGS AND DESCRIPTIONS

<b>Critical Standard Edit Flag</b>	<b>Description</b>
S001	Blank
S002	Invalid. Data reported is not a valid OSHPD value.
S002	Code is Invalid or not acceptable for this Report Period. <b>NOTE:</b> For Disposition of Patient or Expected Source of Payment, "Invalid" <u>includes</u> codes reported before the Effective Beginning Date (a new code that is not yet in effect per NUBC); or after the Effective Ending Date (a code that is no longer in effect per NUBC).
S018	Duplicate Diagnosis Codes reported.
S019	Principal Procedure is Blank, yet Other Procedures are reported.
S023	Place of Occurrence E-Code is required.
S029	Place of Occurrence E-Code cannot be the Principal E-Code.
S054	Age of the patient is greater than 120 years old.
S059	New Diagnosis Code is reported <u>BEFORE</u> the Effective Beginn Date (October 1).
S060	Old Diagnosis Code is reported <u>AFTER</u> the Effective End Date (September 30).
S080	Date of Birth is after the Service Date.
S102	Duplicate E-Codes reported in Principal E-Code and Other E-Code fields.
S103	Duplicate Other E-Codes reported.
S104	Principal E-Code is blank, yet Other E-Codes are reported.
S114	New CPT-4 Procedure Code is reported <u>BEFORE</u> the Effective Begin Date (January 1 or July 1).
S116	New E-Code is reported <u>BEFORE</u> the Effective Begin Date (October 1).
S119	Old CPT-4 Procedure Code is reported <u>AFTER</u> the Effective End Date (December 31).
S121	Old E-Code is reported <u>AFTER</u> the Effective End Date (September 30).
S123	Service Date is Out-of-Range for the report period.
<b><i>New Critical Standard Edit Flags effective with encounters on or after January 1, 2006:</i></b>	
S124	New Disposition of Patient Code reported <u>BEFORE</u> the Effective Begin Date.
S125	Old Disposition of Patient Code reported <u>AFTER</u> the Effective End Date.
S126	New Expected Source of Payment Code reported <u>BEFORE</u> the Effective Begin Date.
S127	Old Expected Source of Payment Code reported <u>AFTER</u> the Effective End Date.

## WARNING STANDARD EDIT FLAGS AND DESCRIPTIONS (Non-Critical Flags)

<b>Warning (Non-Critical) Standard Edit Flag</b>	<b>Description</b>
SW05	Principal Diagnosis: HIV test result reported.
SW06	Other Diagnosis: HIV test result reported.
<b><i>New Warning (Non-Critical) Standard Edit Flag effective with encounters on or after January 1, 2006:</i></b>	
SW25	<p>Missing Principal E-Code. The cause of injury E-Code is required for the reported Principal Diagnosis.</p> <p><b>NOTE:</b> If your facility is the first episode of care* for this injury, poisoning, or adverse effect being treated or diagnosed, then the Principal E-Code must be reported on the record. If your facility is not the first episode of care*, then do not report the E-Code.</p> <p>* First episode of care includes ED or AS encounter, or hospital admission (discharge record). It does not include doctor's office.</p>